

WHAT IS CLAIMED IS:

1 1. A method of identifying unwanted messages, the method comprising:
2 inspecting a payload portion of a message being communicated and identifying
3 characteristics of the payload portion;
4 comparing the characteristics of the inspected payload portion of the message with stored
5 data indicating characteristics of at least one other message that has been inspected; and
6 identifying a security condition based on the comparison.

1 2. The method of claim 1 wherein the characteristics of the payload portion
2 include information other than address information.

1 3. The method of claim 2 wherein the characteristics of the payload portion do
2 not include address information.

1 4. The method of claim 1 wherein the message includes an electronic mail
2 message.

1 5. The method of claim 1 further comprising rejecting the message if the security
2 condition identified includes a hostile indicator.

1 6. The method of claim 5 wherein the security condition is identified as a hostile
2 indicator when the comparison of the characteristics reveals a threshold number of messages
3 having a shared characteristic.

1 7. The method of claim 6 further comprising removing previously-accepted
2 messages having characteristics in common with subsequently-exchanged messages for
3 which the security condition is identified as including the hostile indicator.

1 8. The method of claim 1 further comprising tracking the characteristics of the
2 payload portion for comparison against characteristics of future messages, wherein the
3 characteristics of a new message are compared with the characteristics of at least one
4 message that has been tracked.

1 9. The method of claim 7 wherein comparing the characteristics of the payload
2 portion includes comparing the characteristics of the payload portion of messages inspected
3 with stored characteristics of other communicated messages.

1 10. The method of claim 7 wherein a message is tracked when the security
2 condition is identified as including an indeterminate indicator.

1 11. The method of claim 10 wherein the indeterminate indicator is identified if the
2 comparison of the characteristics does not itself reveal a hostile security condition, but the
3 characteristics of the payload portion would reveal a hostile security condition in
4 combination with similar characteristics of other messages.

1 12. The method of claim 10 further comprising accepting the message if the
2 security condition includes the indeterminate indicator.

1 13. The method of claim 1 further comprising accepting the message if the
2 security condition includes a neutral indicator.

1 14. The method of claim 1 wherein identifying the security condition includes
2 comparing the characteristics of more than one message received by a single device.

1 15. The method of claim 1 wherein identifying the security condition includes
2 comparing the characteristics of more than one message sent by a single device.

1 16. A method of identifying unwanted messages, the method comprising:
2 inspecting a message being communicated to a first device in a message exchanging
3 system that includes two or more devices and identifying characteristics of the message;
4 comparing the characteristics of the message with stored data indicating
5 characteristics of at least one other message communicated to a second device in the message
6 exchanging system; and
7 identifying a security condition based on the comparison of the message inspected and
8 the stored data.

1 17 The method of claim 16 wherein identifying the security condition includes
2 comparing the characteristics of messages received by the more than one different device.

1 18. The method of claim 16 wherein identifying the security condition includes
2 comparing the characteristics of messages sent by the more than one different device.

1 19. The method of claim 16 wherein the characteristics of the messages includes
2 address information.

1 20. The method of claim 16 wherein the message includes an electronic mail
2 message.

1 21. The method of claim 16 further comprising rejecting the message if the
2 security condition is identified as including a hostile indicator.

1 22. The method of claim 21 wherein the security condition is identified as a
2 hostile indicator when the comparison of the characteristics reveals a threshold number of
3 messages having a shared characteristic.

1 23. The method of claim 22 further comprising removing previously-accepted
2 messages if their characteristics share features with characteristics for subsequently
3 exchanged messages for which the security condition is identified as including the hostile
4 indicator.

1 24. The method of claim 16 further comprising tracking characteristics of the
2 messages for comparison against characteristics of future messages, wherein the
3 characteristics of a new message are compared with the characteristics of at least one
4 message that has been tracked.

1 25. The method of claim 24 wherein comparing the characteristics of the
2 messages inspected includes comparing the portion of the message inspected with a data
3 store having characteristics of other communicated messages.

1 26. The method of claim 24 wherein a message is tracked when the security
2 condition is identified as including an indeterminate indicator.

1 27. The method of claim 26 wherein the indeterminate indicator is identified if the
2 comparison of the characteristics does not itself reveal a hostile security condition, but the

3 characteristics of the message would reveal a hostile security condition in combination with
4 similar characteristics of other messages.

1 28. The method of claim 26 further comprising accepting messages when the
2 indeterminate indicator is identified for the security condition.

1 29. The method of claim 16 further comprising accepting the message if the
2 security condition includes a neutral indicator.